

Feb 28, 2024
Registration

Time	
15.00 - 17.00	Registration
18.00-21.00	Welcome Reception for Steering committee and Keynote Speakers

Feb 29, 2024
Meeting Room I
Opening Ceremony

Time		
08.00 - 08.30	Registration	
08.30 - 08.45	Open Ceremony	
08.45 - 09.30	Keynote I	AI-based User Experience Evaluation using Biological Data
		By Prof. Nobuyuki Nishiuchi, Tokyo Metropolitan University, Japan
09.30 - 10.15	Keynote II	Deep Learning Based Massive Array Signal Processing in Wireless Communication Systems
		By Prof. Na Chen, Nara Institute of Science and Technology, Japan
10.15 - 10.30	Break & Free Discussion	
10.30 - 11.15	Keynote III	Discrete signal detection using compressed sensing technique
		By Prof. Kazunori Hayashi, Kyoto University, Japan
11.15 - 12.00	Keynote IV	Potential of Natural Language Processing Technologies including Generative Artificial Intelligence in the Medical and Welfare Fields
		By Prof. Kyoko Kanzaki, Otomon Gakuin University, Japan
12.00 - 13.00	Lunch Break	

Feb 29, 2024
Meeting Room I
Computational Intelligence

Session Chair: Prof.Dr.Kosin Chamnongthai

Time	Paper ID	Paper Title
13.00-13.20	1570978974	UAV Wing Design via Efficient Global Optimization By Anonphong Risanthia (Suranaree University of Technology, Thailand)
13.20-13.40	1570982650	Machine Learning-Based Classification of Catheter Ablation Site Using Person-Sensitive CARTO Coordinate Data By Naoki Tomizawa and Thatsanee Charoenporn (Musashino University, Japan); Virach Sornlertlamvanich (Musashino University, Japan & Thammasat University, Thailand)
13.40-14.00	1570977069	Vehicle-to-Vehicle Energy Trading Blockchain System for Electric Vehicles By Amrendra Singh Yadav, Aditi Tripathi and Ashutosh Kumar (ABV IITM Gwalior, India); Dharmender Kushwaha (MNNIT Allahabad, India)
14.00-14.20	1570977369	Melanoma Detection on Dermoscopic Images Using Deep Learning Technique By Vera Sa-ing and Ratchaphon Prabrai (Srinakharinwirot University, Thailand)
14.20-14.40	1570977899	CONG: Yet another human tracking dataset, but with a little secret By Yupaporn Wanna and Thanapong Intharah (Khon Kaen University, Thailand)
14.40-15.00	Break & Free Discussion	
15.00-15.20	1570977969	Building Automation with Vision Transformer using Synthetic Indoor Images for Room Light Control By Yuji Aizono, Takuya Sakamoto and Hideya Ochiai (The University of Tokyo, Japan); Hiroshi Esaki (University of Tokyo, Japan)
15.20-15.40	1570981805	A Plausibility Study of Using Augmented Reality in the Ventriculoperitoneal Shunt Operations By Tandin Dorji and Pakinee Aimmanee (SIIT, Thammasat University, Thailand); Vich Yindeedej (Thammasat University, Thailand)
15.40-16.00	1570981829	A Quantization Approach for the Reduced Size of Large Language Models By Ravi Kishore Kodali, Yatendra Prasad Upreti and Lakshmi Boppana (National Institute of Technology, Warangal, India)
16.00-16.20	1570988890	Efficient Video Object Segmentation using JIT K-Means Clustering By Wanida Khamprapai and Fuangfar Pensiri (Kasetsart University, Thailand); Porawat Visutsak (KMUTNB, Thailand)

Feb 29, 2024
Banquet

Time	
18.00-21.00	Banquet and Best Paper Award Ceremony

Meeting Room II Computational Intelligence

Session Chair: Prof.Dr.Kyoko Kanzaki & Prof.Dr.Kittichai Lavangnananda

Time	Paper ID	Paper Title
13.00-13.20	1570984403	Generating Synthetic Images using Stable Diffusion Model for Skin Lesion Classification By Parapat Patcharapimpisut and Paisit Khanarsa (King Mongkut's University of Technology Thonburi, Thailand)
13.20-13.40	1570979944	Recommendation System for Retail Business Using Customer Segmentation: Case study of Tuenjai company in Surat Thani, Thailand By Pattarawan Gunglin and Siriwan Kajornkasirat (Prince of Songkla University, Surat Thani Campus, Thailand); Kritsada Puangsuwan (Prince of Songkla University, Thailand)
13.40-14.00	1570980152	Curated Dataset Generation for Enhanced Security: ST-PID Dataset By Shahneela Pitafi (Universiti Teknologi Petronas & Univeriti Teknologi PETRONAS, Malaysia)
14.00-14.20	1570981723	Enabling Efficient Cloud-based Data Collection System for Smart Home IoT Data using Data Binning and Lossless Compression By Panipak Wongbubpha, Pavidha Malitong and Napathsara Pinthong (Thammasat University, Thailand); Somchart Fugkeaw (Sirindhorn International Institute of Technology, Thammasat University, Thailand)
14.20-14.40	1570980300	Augmenting Room Light Patterns for Building Automation with Camera Images and Vision Transformer By Takuya Sakamoto, Yuji Aizono and Hideya Ochiai (The University of Tokyo, Japan); Hiroshi Esaki (University of Tokyo, Japan)
14.40-15.00	Break & Free Discussion	
15.00-15.20	1570980767	Alleviate Child Begging by Background-Aware Image Classification By Midhu Jean Joseph (Musashino University, Japan); Virach Sornlerlamvanich (Musashino University, Japan & Thammasat University, Thailand); Thatsanee Charoenporn (Musashino University, Japan)
15.20-15.40	1570981385	Second-year university student retirement prediction model using machine learning By Prapatsorn Saelim, Kitsiri Chochiang and Sangsuree Vasupongayya (Prince of Songkla University, Thailand)
15.40-16.00	1570981596	Research on YOLOv8 Application in Bolt and Nut Detection for Robotic Arm Vision By Yan Kai Tan (Tunku Abdul Rahman University of Management and Technology (TAR UMT), Malaysia); Kar Mun Chin (Tunku Abdul Rahman University of Management and Technology, Malaysia); Terence Sy Horng Ting (Tunku Abdul Rahman University of Management & Technology, Malaysia); Yeh Huann Goh and Tsung Heng Chiew (Tunku Abdul Rahman University College, Malaysia)
16.00-16.20	1570981925	Research on the Provision of User-friendly Tourist Information using Information Processing Technology By Eiko Yamamoto (Gifu Shotoku Gakuen University, Japan); Yoji Kiyota and Yuki Minagawa (FiveVai, Japan); Hitoshi Isahara (Otemon Gakuin University, Japan)

Feb 29, 2024 Banquet

Time	
18.00-21.00	Banquet and Best Paper Award Ceremony

Meeting Room III

Emerging Intelligent Application and Computer Network System

Session Chair: Prof.Dr.Takafumi Nakanishi

Time	Paper ID	Paper Title
13.00-13.20	1570958928	Effects of Interactive Experiences on Memory in a Virtual Museum By Samita Lappayanant and Hiroaki Shigemasu (Kochi University of Technology, Japan)
13.20-13.40	1570991011	Enhancing Safety and Efficiency with Autonomous Navigation Systems: Integrating Real-Time Object Detection, Tracking, and Trajectory Prediction By Suradet Tantrairatn (Suranaree University of Technology, Thailand)
13.40-14.00	1570977970	Utilizing AI and Natural Language Processing to Predict Supreme Court Decisions in Thailand By Warisa Kongsantinart, Jomchai Chongthanakorn and Rungpilin Anatathanavit (Mahidol University, Thailand); Pisit Praiwattana (Liverpool John Moores University & Mahidol University, United Kingdom (Great Britain)); Tipajin Thaipisutikul (Mahidol University & MU, Thailand)
14.00-14.20	1570978441	Bridging Bollinger Bands and Machine Learning in SET100 Stock Trading Strategies By Palod Chanrungrmaneekul and Juthathip Phuangbut (Thammasat University, Thailand); Rujira Chaysiri (University of Virginia, USA)
14.20-14.40	1570978474	Tuning Personalized Models by Two-Phase Parameter Decoupling with Device-to-Device Communication By Atsuya Muramatsu, Hideya Ochiai and Hiroshi Esaki (The University of Tokyo, Japan)
14.40-15.00	Break & Free Discussion	
15.00-15.20	1570979362	Efficient 3D Object Synthesis and Modeling through Generative Adversarial Networks By Lalit Kumar (Motilal Nehru National Institute of Technology, Allahabad, India); Dushyant Kumar Singh (MNNIT Allahabad, India)
15.20-15.40	1570980037	Towards Drug Discovery: A Comparative Study of Machine Learning-enhanced QSAR Prediction By Supawit Phimonjit, Sutthiphon Thankam and Pawaris Techahongsa (Mahidol University, Thailand); Tipajin Thaipisutikul (Mahidol University & MU, Thailand)
15.40-16.00	1570980586	Device-to-Device Collaborative Learning for Self-Localization with Previous Model Utilization By Yudai Ueda, Hideya Ochiai and Hiroshi Esaki (The University of Tokyo, Japan)
16.00-16.20	1570981861	Thai Sentence Core Graph for Thai NLP By Nuchjarin Krukaset (Rajabhat Rajanakarindra University, Thailand); Watcharapong Krukaset (Rajabhat Rajanakarindra University & RRU, Thailand); Chouvalit Khancome (Ramkhamhaeng University, Thailand)

Feb 29, 2024
Banquet

Time	
18.00-21.00	Banquet and Best Paper Award Ceremony

Mar 1, 2024
Meeting Room I
Computational Intelligence

Session Chair: Prof.Dr.Virach Somlertlamvanich

Time	Paper ID	Paper Title
09.00-09.20	1570988162	White Leg Shrimp Larvae Counting System By Vutichai Kamthang and Khantharat Anekboon (King Mongkut's University of Technology North Bangkok, Thailand)
09.20-09.40	1570990502	Differential Evolution for Classification: A Novel Classifier Technique in Data Mining By Irfan Farda and Arit Thammano (King Mongkut's Institute of Technology Ladkrabang, Thailand)
09.40-10.00	1570982187	Detecting Cyberbullying on Social Networks Using Language Learning Model By Pichapar Vanpech, Kanchicha Peerabenjakul and Napatsawan Suriwong (Thammasat University, Thailand); Somchart Fugkeaw (Sirindhorn International Institute of Technology, Thammasat University, Thailand)
10.00-10.20	1570977047	A Novel Hybrid Method for Imbalanced Automobile Insurance Fraud Detection By Phannana Aiemsuwan and Supawadee Srikamdee (Burapha University, Thailand)
10.20-10.40	Break & Free Discussion	
10.40-11.00	1570982877	Discriminative Dimension Selection for Enhancing the Interpretability and Performance of Clustering Output By Hrang Kap Lian (Kasetsart University, Thailand); Kitsana Waiyamai (Kasetsart, Thailand); Slavakis Konstantinos (Tokyo Institute of Technology, Japan)
11.00-11.20	1570985225	Predicting the Innovation Capability for Firm Performance: the role of Artificial Intelligence in the Philippines Startups Perspective By Alexander Hernandez (Lyceum of the Philippines University Manila, Philippines); Randolph V Sacdalan, Chris Sopoco, Jasmin Villapando and Peter Garcia, Jr. (Lyceum of the Philippines University, Philippines)
12.00-13.00	Lunch & Free Discussion	

Mar 1, 2024
Meeting Room II
Emerging Intelligent Application and Computer Network System

Session Chair: Prof.Dr.Thatsanee Charoenporn

Time	Paper ID	Paper Title
09.00-09.20	1570991144	Convergence Evaluation of OFDMA-IDMA Combination based on IEEE 802.11ax By Ta Viet Tai (VNUHCM-University of Science, Vietnam); Tan Ma Pham Nhut (University of Science VNU-HCM, Vietnam); Nam Le Hoang (VNUHCM-University of Science, Vietnam); Nguyen Viet Ha and Tran Thi Thao Nguyen (University of Science, VNU-HCM, Vietnam)
09.20-09.40	1570991141	Hybrid Information Retrieval With Masked And Permuted Language Modeling (MPNet) And BM25L For Indonesian Drug Data Retrieval By Maryamah Maryamah, Geraldus Wilsen, Christeigen Theodore Suhalim, Rafik Septiana and Aziz Fajar (Universitas Airlangga, Indonesia); Mahmud Iwan Solihin (UCSI University, Malaysia)
09.40-10.00	1570991180	Chatbots in Academia: A Retrieval-Augmented Generation Approach for Improved Efficient Information Access By Maryamah Maryamah, Muhammad Maula Irfani, Edric Boby Tri Raharjo, Netri Alia Rahmi, Mohammad Ghani and Indra Kharisma Raharjana (Universitas Airlangga, Indonesia)
10.00-10.20	1570990777	Analyzing Sentiments in Social Media Posts through Hybrid Models By Abhishek Gaur (Motilal Nehru National Institute of Technology Allahabad, India); Dharmendra Yadav (MNNIT Allahabad, India)
10.20-10.40	Break & Free Discussion	
10.40-11.00	1570959542	A Cloud-based SQLi Detection System using Multi-Layer Regular Expression By Thean Thepa, Bhodikorn Tulyatham and Pimchanok Sirisatit (Thammasat University, Thailand); Somchart Fugkeaw (Sirindhorn International Institute of Technology, Thammasat University, Thailand)
11.00-11.20	1570977671	An Adaptive Cloud-based Image Steganography System with Fast Stego Retrieval By Phutthachat Kanjanamek, Natsareeya Kitikhungumjon and Nuttakarn Chaiyabud (Thammasat University, Thailand); Somchart Fugkeaw (Sirindhorn International Institute of Technology, Thammasat University, Thailand)
11.20-11.40	1570982359	Real-Time In-Band Network Link Loss Detection With Programmable Data Plane By Nguyen Viet Ha (University of Science, VNU-HCM, Vietnam); Tran Nguyen Tuan Kiet (HCMUS, Vietnam); Bui Ngoc Thanh Binh (VNUHCM-US, Vietnam); Nguyen Minh Tri (VNUHCM-University of Science, Vietnam); Tran Thi Thao Nguyen (University of Science, VNU-HCM, Vietnam); Masato Tsuru (Kyushu Institute of Technology, Japan)
11.40-12.00	1570981476	A Comparative Study of Uniform, Adaptive and Joint BCS Based Encoding Schemes for WWSN Data Gathering By Priya G L (Indian Institute of Technology Roorkee, India); Debashis Ghosh (Indian Institute of Technology (IIT) Roorkee, India)
12.00-13.00	Lunch & Free Discussion	

Mar 1, 2024
Meeting Room III
Computational Intelligence

Session Chair: Prof.Dr.Hitoshi Isahara

Time	Paper ID	Paper Title
09.00-09.20	1570990524	EEG Analysis of Familiar and Unfamiliar Objects using Wavelet Energy and Shannon Entropy By Siti Dwi Suryani and Adhi Dharma Wibawa (Institut Teknologi Sepuluh Nopember, Indonesia); Diah Wulandari (Institut Teknologi Sepuluh Nopember Surabaya, Indonesia)
09.20-09.40	1570990431	Video-based Sign Language Recognition with R(2+1)D and LSTM Networks By Jiayu Huang (Chiangmai University, Thailand); Varin Chouvatut and Jeerayut Chaijaruwanich (Chiang Mai University, Thailand)
09.40-10.00	1570991160	Self-Driving Car Simulation Using Reinforcement Learning For Driving On Roads With Potholes By Kittisak Korsrisuwan, Narathip Tiangtae and Sakgasit Ramingwong (Chiang Mai University, Thailand)
10.00-10.20	1570994106	Bi-objective Optimization for Reducing Urban Network Sprawl By Supharoek Chattanachot (Le Havre University Normandie, France); Frédéric V. G. Guinand (LITIS Laboratory, Le Havre University Normandie, France); Kittichai Lavangnananda (Faculty of Science, Technology and Medicine, University of Luxembourg, Luxembourg)
10.20-10.40	Break & Free Discussion	
10.40-11.00	1570981364	Cloud-Based Remote Control of Household Appliances: Enhancing Convenience and Energy Efficiency By Teng Mot (Electrical and Energy, Cambodia); Sorn Darong (Research and Innovation Center, Cambodia); Dararith Tiv and Tenghor Heav (Electrical and Energy, Cambodia); Somphors Ron and Kimsrornn Khon (Institute of Technology of Cambodia, Cambodia)
11.00-11.20	1570984482	Development of Realtime High-Definition 3D Mapping System with High-Accuracy Long-Range LiDAR Sensor By Phumrawit Noppapethongkam and Nikorn Sutthisangiam (King Mongkut's University of Technology North Bangkok, Thailand)
12.00-13.00	Lunch & Free Discussion	

Mar 1, 2024
Meeting Room IV
Poster Session

Session Chair: Prof.Dr.Minoru Okada, Prof.Dr.Na Chen, Prof.Dr.Kosin Chamnongthai, and Prof.Dr.Krisana Chinnasarn

Time	Paper ID	Paper Title
09.25-09.50		KST Poster Session Session Chair: Prof.Dr.Minoru Okada, Prof.Dr.Na Chen, Prof.Dr.Kosin Chamnongthai, and Prof.Dr.Krisana Chinnasarn
09.50-10.20		IWCCM Poster Session Session Chair: Prof.Dr.Minoru Okada, Prof.Dr.Na Chen, Prof.Dr.Kosin Chamnongthai, and Prof.Dr.Krisana Chinnasarn
10.20-10.40		Break & Free Discussion
10.40-12.00		Poster Discussion
12.00-13.00		Lunch & Free Discussion
13.00-16.00		Local Organizing Committee Meeting

Mar 2, 2024
Meeting Room I
Research Consortium

Time	
09.00-12.00	International Consortium in Informatics Meeting

Mar 1, 2024
Meeting Room IV
KST Poster Session

Session Chair: Prof.Dr.Minoru Okada, Prof.Dr.Na Chen, Prof.Dr.Kosin Chamnongthai, and Prof.Dr.Krisana Chinnasarn

Time	Paper ID	Paper Title
09.25-09.30	1570981281	Optimization of Features for Smartwatch-based Human Action Recognition By Sohee Park, Jae Hong Lee and Chan Gook Park (Seoul National University, South Korea)
09.30-09.35	1570983573	A study on the rapid diagnosis of deterioration of patients with dyspnea in emergency department By Sung Hyuk Choi, Mr (Korea University, South Korea); Byung-Chul Ko (KMI, South Korea); KimKil Kim (Innorules, South Korea)
09.35-09.40	1570986696	Real-time Action Recognition Architecture for Individuals with Mental Health Disorders By Kim Taewan (Dongduk Women's University, South Korea)
09.40-09.45	1570990692	BUUCrosscheck: An Automated Curriculum Plagiarism Detection using Cross-Cosine Similarity By Poonnachit Amnuaypornpaisal, Sittisak Saechueng, Watcharaphong Yookwan (Burapha University, Thailand); Apirak Jirayusakul, Annupan Rodtook (Ramkhamheang University, Thailand); and Krisana Chinnasarn (Burapha University, Thailand)
09.45-09.50	1570990701	Phonetic Reading and Lexical Classification (PRLC) System using Language Morphological Analysis Model By Kamal Baha and Watcharaphong Yookwan (Burapha University, Thailand)

Mar 1, 2024
Meeting Room IV
IWCCM Poster Session

Session Chair: Prof.Dr.Minoru Okada, Prof.Dr.Na Chen, Prof.Dr.Kosin Chamnongthai, and Prof.Dr.Krisana Chinnasarn

Time	Paper ID	Paper Title
09.50-09.55	1	Optimization of Power Transmission Efficiency of DWPT by Controlling Secondary Side Power Supply By Yorioka Hiroto; Nakamura Kazutomo, Urakami Taisei, and Okada Minoru(Nara Institute of Science and Technology, Japan)
09.55-10.00	2	Verification of Eliminating Dead Zones on Campus in Local 5G Networks Using Reflective Panel By Rin Tokunaga; Koichiro Nakamura; Masahiro Yamaguchi; Minoru Okada (Todaijigakuen Junior & Senior High School, Japan)
10.00-10.05	3	A study on Improvement of Efficiency by using Voltage Amplitude Control of Transmitting Coils for Wireless Power Transfer By Keigo Kimura; Taisei Urakami; Minoru Okada(Nara Institute of Science and Technology, Japan)
10.05-10.10	4	Detection of Non-ergonomic Sitting Postures via Heads and Shoulders By Prash Phothivijit; Watcharapan Suwansantisuk; Kosin Chamnongthai(King Mongkut's University of Technology Thonburi, Thailand)
10.10-10.15	5	A Simple Double-Layer Transmitarray by using Metal Vias for 28GHz Linear Polarization By Shimpei Nishiyama; Taisei Urakami; Tamami Maruyama; Akira Ono(National Institute of Technology(KOSEN), Japan)
10.15-10.20	6	Numerical Performance Evaluation of Optical Analog Sparse Reconstruction By Soma Furusawa; Kazunori Hayashi; Kaito Kameda; Ryo Hayakawa(Kyoto University, Japan)